

APPLICANT: GEMS LLC
2326 11TH STREET
ANACORTES, WA. 98221
ATTN: FARAH ALLY

PURPOSE: PIER RENOVATION AND
SHORELINE ACCESS IMPROVEMENT

U.S. ARMY CORPS OF ENGINEERS REFERENCE NO:
NWS-2009-00056

IN: GUEMES CHANNEL
AT: ANACORTES
COUNTY: SKAGIT
STATE: WASHINGTON
DATUM: MLLW = 0.00'
UPI NUMBER: 619049-09-01
LATITUDE: 48.51567°N LONGITUDE: 122.631903°W

SECTION M-M
&
SECTION N-N

DATE:
08/14/2009
REVISION DATE:
12/02/2009
SHEET:
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**Layton
& Sell**


Layton & Sell, Inc., P.S.
12515 Willows Road NE Suite 205
Kirkland, Washington 98034-8795
Office: (425)825-1735 Fax: 825-1363

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PLANTING POCKET NOTES:

1. POCKETS OF MARINE RIPARIAN VEGETATION TO BE FIT BETWEEN EXISTING RAILBED BALLAST AND SHORELINE ARMORING.
2. PLANTINGS TO BE FIELD FIT TO IDENTIFY BEST POSSIBLE POCKETS FOR VEGETATION ESTABLISHMENT. LOCATION OF PLANT POCKETS CONCEPTUAL ONLY.
3. 3 MINIMUM TO BE INSTALLED WEST OF PIER ALONG ROAD
4. 4 MINIMUM TO BE INSTALLED EAST OF PIER ALONG TRAIL
5. ADDITIONAL PLANTING OPPORTUNITIES TO BE SOUGHT BY 'MUDDYING' SANDY SOIL BETWEEN ROCKERY IN SHORELINE ARMORING AND PLANTING.
6. ALL PLANTING TO TAKE PLACE IN 'WINTER SEASON', BETWEEN OCTOBER 15TH AND APRIL 15TH.

MARINE GRASS/PERENNIAL PLUG LIST:

1. AREAS DEPICTED WITH THE FOLLOWING HATCH PATTERN  ARE TO BE PLANTED WITH PLUGS, 4" ON CENTER
2. PLUGS ARE TO BE A MIX OF THE FOLLOWING SPECIES.
 - a. Gumweed *Grindellia integrifolia*
 - b. Saltweed *Atriplex patula*
 - c. Saltgrass *Distichlis spicata*
 - d. Pickleweed *Salicornia virginica*
 - e. Fleshy jaumea *jaumea carnososa*
 - f. Seaside arrowgrass *Triglochin maritimum*
 - g. Seaside plantain *Plantago maritima*
 - h. Dune wildrye *Elymus mollis*
 - i. Beach Strawberry *Fragaria chiloensis*
 - j. Beach Lupine *Lupinus*

LANDWARD RESTORATION PLANT LIST:

1. ANY AREA LANDWARD OF THE ACCESS ROAD OR THE TRAIL THAT IS DISTURBED DURING CONSTRUCTION IS TO BE PLANTED WITH NATIVE VEGETATION.
2. SPACING AND DENSITY TO BE SUFFICIENT TO ALLOW FOR FULL COVERAGE WITHIN TWO GROWING SEASONS.
3. RESTORATION PLANTS ARE TO BE A MIX OF THE FOLLOWING SPECIES.
 - a. Vine maple *Acer circinatum*
 - b. Salal *Gaultheria shallon*
 - c. Oceanspray *Holodiscus discolor*
 - d. Oregon grape *Mahonia* spp.
 - e. Indian plum *Oemleria cerasiformis*
 - f. Salmonberry *Rubus spectabilis*
 - g. Snowberry *Symphoricarpos* spp.
 - h. Sword fern *Polystichum munitum*
 - i. Huckleberry *Vaccinium* spp.
 - j. Nootka rose *Rosa nutkana*

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MARINE GRASS/PERENNIAL
PLUG LIST &
LANDWARD RESTORATION
PLANT LIST

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PLANT LEGEND FOR TRAIL AND PIER:

Broadleaf Deciduous

Quantity	Symbol	Scientific Name	Common Name	Code Name	Planting Size
5		Acer circinatum	Vine Maple	ACin	5-Gal
8		Amelanchier alnifolia	Serviceberry	AAsb	4' - 6'

Conifer Evergreen

Quantity	Symbol	Scientific Name	Common Name	Code Name	Planting Size
7		Pinus contorta	Shore Pine	PCsp	6' - 8'

Ground Cover

Quantity	Symbol	Scientific Name	Common Name	Code Name	Planting Size
25	Mix	Arcostaphylos uva-ursi	Kinnikinnick	Aruv	1-Gal

Shrub

Quantity	Symbol	Scientific Name	Common Name	Code Name	Planting Size
18		Arbutus Unedo 'Elfin King'	Strawberry Tree	AUek	2-Gal
26		Cornus stolonifera 'Isanti'	Red Twig Dogwood	CSlrd	5-Gal
42		Gaultheria shallon	Salal	GS	2-Gal
25		Holodiscus discolor	Ocean Spray	HDos	5-Gal
128		Rosa nutkana	Nootka Rose	RNnr	5-Gal
12		Salix hookeriana	Hooker's willow	SHhw	5-Gal

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GENERAL NOTES:

1. ALL WORK SHALL BE PERFORMED BY PERSONS FAMILIAR WITH THIS KIND OF WORK AND UNDER THE SUPERVISION OF A QUALIFIED FOREMAN.
2. ALL PLANT MATERIAL SIZES AND QUALITY TO CONFORM TO AMERICAN ASSOC. OF NURSERYMEN, AMERICAN STANDARD FOR NURSERY STOCK, 2002.
3. PLANT LOCATIONS ON THE PLANS ARE DIAGRAMMATIC AND MAY BE SUBJECT TO ADJUSTMENT IN THE FIELD BY THE LANDSCAPE CONTRACTOR.
4. ALL PLANT MATERIAL SHALL BE OF NURSERY STOCK AND SHALL BE OF THE TYPE, SIZE AND CONDITION SPECIFIED. THE PLANT MATERIAL SHALL EXHIBIT NORMAL HABITS OF GROWTH FOR THE SPECIES, SHALL HAVE BUDS INTACT AND SHALL BE FREE OF DISEASE, INSECTS, SCARS, BRUISES, BREAKS, SEED AND WEED ROOTS.
5. ALL PLANTING AREAS (NOT-POTS) SHALL HAVE PLANTING BACKFILL AMENDED WITH A TRANSPLANT AMENDMENT (SUPERTHRIVE OR EQUAL) AND WETTING AGENT (BIO-WET OR EQUAL) APPLIED AT MANUFACTURES RECOMMENDED RATE.
6. HOG FUEL OR HEART WOOD CHIP MULCH IS TO BE INSTALLED IN ALL PLANTING AREAS WITH A MINIMUM OF 2 INCHES.
7. LANDSCAPE CONTRACTOR SHALL VERIFY LOCATION OF ALL SITE UTILITIES PRIOR TO LANDSCAPE IMPLEMENTATION. PLANT LOCATIONS MAY BE ADJUSTED TO AVOID CONFLICT.
8. LANDSCAPE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT EXISTING SITE IMPROVEMENTS, PAVING, WALLS, AND UNDERGROUND UTILITIES. DAMAGE SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AND AT NO ADDITIONAL COST.
9. PLANT COUNT IS FOR THE CONTRACTOR'S CONVENIENCE; IF THERE IS A DISCREPANCY, THE PLAN SHALL GOVERN. ACTUAL PLANT QUANTITIES TO BE DETERMINED BY REQUIRED PLANT SPACING.
10. ALL AREAS TO BE PLANTED WITH GROUNDCOVER ARE INDICATED ON THE PLAN WITH A HATCH PATTERN. SEE PLANT LIST FOR PLANT TYPE, SIZE, AND SPACING.
11. SUBSTITUTION OF PLANT VARIETIES DUE TO LACK OF AVAILABILITY SUBJECT TO APPROVAL BY THE LANDSCAPE ARCHITECT.
12. ALL DIMENSIONS ARE ASSUMED TO BE PARALLEL OR PERPENDICULAR UNLESS OTHERWISE NOTED.
13. ALL GRADES, DIMENSIONS AND EXISTING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.
14. BASEMAP PROVIDED BY LAYTON AND SELL ENGINEERING, KIRKLAND, WA, 425-825-1735

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